

HYS-5 CORRECTED.txt  
SEQUENCE LISTING

RECEIVED  
TECH. CENTER 1600/2900  
02 JAN 30 PM 12:30

<110> Boyle, Bryan J  
Ford, John E  
Mize, Nancy K  
Tang, Y. Tom  
Liu, Chenghua  
Drmanac, Radoje T  
Dickson, Mark C  
Arterburn, Matthew C

<120> METHODS AND MATERIALS RELATING TO NOVEL C-TYPE LECTIN RECEPTOR-LIKE  
POLYPEPTIDES AND POLYNUCLEOTIDES

<130> HYS-5

<140> US 09/545,283

<141> 2000-04-07

<150> US 09/496,914

<151> 2000-02-03

<160> 11

<170> PatentIn version 3.0

<210> 1

<211> 415

<212> DNA

<213> Homo sapiens

<220>

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FBI LABORATORY  
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<221> misc\_feature

<222> (1)..(415)

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tgtgagttct gtggtgcctc acaattttat gtatagcaaa actgtcaaga ggctgtccaa 180  
gttacgagag tatcaacagt atcattcaag cctgacctgc gtcattggaag gaaaggacat 240  
agaagattgg agctgctgcc caacccttg gacttcattt cagtctagtt gctactttat 300  
ttctactggg atgcaatctt ggactaagag tcaaaagaac tgttctgtga tgggggctga 360  
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<210> 2

<211> 826

<212> DNA

<213> Homo sapiens

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ccaggtgaag gtctggtcca tggcagtcgt atccatcttg ctctcagtg tctgtttcac 120  
tgtgagttct gtggtgcctc acaattttat gtatagcaaa actgtcaaga ggctgtccaa 180  
gttacgagag tatcaacagt atcattcaag cctgacctgc gtcattggaag gaaaggacat 240  
agaagattgg agctgctgcc caacccttg gacttcattt cagtctagtt gctactttat 300  
ttctactggg atgcaatctt ggactaagag tcaaaagaac tgttctgtga tgggggctga 360  
tctggtgggt atcaacacca gggaagaaca ggatttcattc attcagaatc tgaaaagaaa 420  
ttcttcttat tttctggggc tgtcagatcc agggggctcg cgacattggc aatgggttga 480  
ccagacacca tacaatgaaa atgtcacgtg agtatagaat gagattcttg cactcaggtg 540  
aaccaataa cttgatgag cgttggtgca taataaattt ccgttcttca gaagaatggg 600  
gctggaatga cattcactgt catgtacctc agaagtcaat ttgcaagatg aagaagatct 660  
acataataa gaaatattct ccctggaaat gtgtttgggt tggcatccac cgttgtagaa 720  
agctaaattg attttttaat ttatgtgtaa gttttgtaca aggaatgccc ctaaaatggt 780  
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C

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												Met	Val	Pro	Glu	
												1				
gaa	gag	cct	caa	gac	cga	gag	aaa	gga	ctc	tgg	tgg	ttc	cag	ttg	aag	102
Glu	Glu	Pro	Gln	Asp	Arg	Glu	Lys	Gly	Leu	Trp	Trp	Phe	Gln	Leu	Lys	
5					10					15					20	
gtc	tgg	tcc	atg	gca	gtc	gta	tcc	atc	ttg	ctc	ctc	agt	gtc	tgt	ttc	150
Val	Trp	Ser	Met	Ala	Val	Val	Ser	Ile	Leu	Leu	Leu	Ser	Val	Cys	Phe	
				25					30					35		
act	gtg	agt	tct	gtg	gtg	cct	cac	aat	ttt	atg	tat	agc	aaa	act	gtc	198
Thr	Val	Ser	Ser	Val	Val	Pro	His	Asn	Phe	Met	Tyr	Ser	Lys	Thr	Val	
			40					45					50			
aag	agg	ctg	tcc	aag	tta	cga	gag	tat	caa	cag	tat	cat	tca	agc	ctg	246
Lys	Arg	Leu	Ser	Lys	Leu	Arg	Glu	Tyr	Gln	Gln	Tyr	His	Ser	Ser	Leu	
		55					60					65				
acc	tgc	gtc	atg	gaa	gga	aag	gac	ata	gaa	gat	tgg	agc	tgc	tgc	cca	294
Thr	Cys	Val	Met	Glu	Gly	Lys	Asp	Ile	Glu	Asp	Trp	Ser	Cys	Cys	Pro	
	70					75					80					
acc	cct	tgg	act	tca	ttt	cag	tct	agt	tgc	tac	ttt	att	tct	act	ggg	342
Thr	Pro	Trp	Thr	Ser	Phe	Gln	Ser	Ser	Cys	Tyr	Phe	Ile	Ser	Thr	Gly	
85					90					95					100	
atg	caa	tct	tgg	act	aag	agt	caa	aag	aac	tgt	tct	gtg	atg	ggg	gct	390
Met	Gln	Ser	Trp	Thr	Lys	Ser	Gln	Lys	Asn	Cys	Ser	Val	Met	Gly	Ala	
				105					110					115		
gat	ctg	gtg	gtg	atc	aac	acc	acg	gaa	gaa	cac	gat	ttc	atc	att	cat	438
Asp	Leu	Val	Val	Ile	Asn	Thr	Thr	Glu	Glu	His	Asp	Phe	Ile	Ile	His	
			120					125					130			
aat	ctg	aaa	aga	aat	tct	tct	tat	ttt	ctg	ggg	ctg	tca	cat	cca	cgg	486
Asn	Leu	Lys	Arg	Asn	Ser	Ser	Tyr	Phe	Leu	Gly	Leu	Ser	His	Pro	Arg	
		135					140					145				
ggg	cgg	cga	cat	tgg	caa	tgg	gtt	gac	cac	aca	cca	tac	aat	gaa	aat	534
Gly	Arg	Arg	His	Trp	Gln	Trp	Val	Asp	His	Thr	Pro	Tyr	Asn	Glu	Asn	
	150					155					160					

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gtc aca ttc tgg cac tca ggt gaa ccc aat aac ctt gat gag cgt tgt 582  
Val Thr Phe Trp His Ser Gly Glu Pro Asn Asn Leu Asp Glu Arg Cys  
165 170 175 180

gcg ata ata aat ttc cgc tct tca caa gaa tgg ggc tgg aat gac att 630  
Ala Ile Ile Asn Phe Arg Ser Ser Gln Glu Trp Gly Trp Asn Asp Ile  
185 190 195

cac tgt cat gta cct cac aag tca att tgc gag atg aag aag atc tac 678  
His Cys His Val Pro His Lys Ser Ile Cys Glu Met Lys Lys Ile Tyr  
200 205 210

ata tac atg aaa tat tct ccc tgg aaa tgt gtt tgg gtt ggc atc cac 726  
Ile Tyr Met Lys Tyr Ser Pro Trp Lys Cys Val Trp Val Gly Ile His  
215 220 225

cgc tgt aga aag cta aat tga ttttttaatt tatgtgtaag atttgtacaa 777  
Arg Cys Arg Lys Leu Asn  
230

agaatgcccc taaatgtttc agcaggctgt cacctattac acttatgata taatccattc 837  
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<210> 4

<211> 234

<212> PRT

<213> Homo sapiens

<400> 4

Met Val Pro Glu Glu Glu Pro Gln Asp Arg Glu Lys Gly Leu Trp Trp  
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Phe Gln Leu Lys Val Trp Ser Met Ala Val Val Ser Ile Leu Leu Leu  
20 25 30

Ser Val Cys Phe Thr Val Ser Ser Val Val Pro His Asn Phe Met Tyr  
35 40 45

Ser Lys Thr Val Lys Arg Leu Ser Lys Leu Arg Glu Tyr Gln Gln Tyr  
50 55 60

His Ser Ser Leu Thr Cys Val Met Glu Gly Lys Asp Ile Glu Asp Trp  
65 70 75 80

Ser Cys Cys Pro Thr Pro Trp Thr Ser Phe Gln Ser Ser Cys Tyr Phe  
85 90 95

Ile Ser Thr Gly Met Gln Ser Trp Thr Lys Ser Gln Lys Asn Cys Ser

100

Val Met Gly Ala Asp Leu Val Val Ile Asn Thr Thr Glu Glu His Asp  
115 120 125  
Phe Ile Ile His Asn Leu Lys Arg Asn Ser Ser Tyr Phe Leu Gly Leu  
130 135 140  
Ser His Pro Arg Gly Arg Arg His Trp Gln Trp Val Asp His Thr Pro  
145 150 155 160  
Tyr Asn Glu Asn Val Thr Phe Trp His Ser Gly Glu Pro Asn Asn Leu  
165 170 175  
Asp Glu Arg Cys Ala Ile Ile Asn Phe Arg Ser Ser Gln Glu Trp Gly  
180 185 190  
Trp Asn Asp Ile His Cys His Val Pro His Lys Ser Ile Cys Glu Met  
195 200 205  
Lys Lys Ile Tyr Ile Tyr Met Lys Tyr Ser Pro Trp Lys Cys Val Trp  
210 215 220  
C Val Gly Ile His Arg Cys Arg Lys Leu Asn  
225 230

<210> 5

<211> 14

<212> PRT

<213> Homo sapiens

<400> 5

Trp Asn Asp Ile His Cys His Val Pro His Lys Ser Ile Cys  
1 5 10

<210> 6

<211> 193

<212> PRT

<213> Homo sapiens

<400> 6

Val Pro His Asn Phe Met Tyr Ser Lys Thr Val Lys Arg Leu Ser Lys  
Page 5

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1 5 10 15  
 Leu Arg Glu Tyr<sub>20</sub> Gln Gln Tyr His Ser<sub>25</sub> Ser Leu Thr Cys Val<sub>30</sub> Met Glu  
 Gly Lys Asp<sub>35</sub> Ile Glu Asp Trp Ser<sub>40</sub> Cys Cys Pro Thr Pro<sub>45</sub> Trp Thr Ser  
 Phe Gln Ser Ser Cys Tyr Phe<sub>55</sub> Ile Ser Thr Gly Met<sub>60</sub> Gln Ser Trp Thr  
 Lys Ser Gln Lys Asn<sub>70</sub> Cys Ser Val Met Gly Ala<sub>75</sub> Asp Leu Val Val Ile<sub>80</sub>  
 Asn Thr Thr Glu<sub>85</sub> Glu His Asp Phe Ile<sub>90</sub> Ile His Asn Leu Lys Arg Asn<sub>95</sub>  
 Ser Ser Tyr Phe<sub>100</sub> Leu Gly Leu Ser His<sub>105</sub> Pro Arg Gly Arg Arg<sub>110</sub> His Trp  
 Gln Trp Val<sub>115</sub> Asp His Thr Pro Tyr<sub>120</sub> Asn Glu Asn Val Thr<sub>125</sub> Phe Trp His  
 Ser Gly Glu Pro Asn Asn Leu<sub>135</sub> Asp Glu Arg Cys Ala<sub>140</sub> Ile Ile Asn Phe  
 Arg Ser Ser Gln Glu Trp<sub>150</sub> Gly Trp Asn Asp Ile<sub>155</sub> His Cys His Val Pro<sub>160</sub>  
 His Lys Ser Ile Cys<sub>165</sub> Glu Met Lys Lys Ile<sub>170</sub> Tyr Ile Tyr Met Lys<sub>175</sub> Tyr  
 Ser Pro Trp Lys<sub>180</sub> Cys Val Trp Val Gly<sub>185</sub> Ile His Arg Cys Arg<sub>190</sub> Lys Leu

Asn

<210> 7

<211> 18

<212> PRT

<213> Homo sapiens

<400> 7

Cys Tyr Phe Ile Ser<sub>5</sub> Thr Gly Met Gln Ser<sub>10</sub> Trp Thr Lys Ser Gln Lys<sub>15</sub>

Asn Cys

<210> 8

<211> 215

<212> PRT

<213> Mus musculus

HYS-5 CORRECTED.txt

<400> 8

Glu Glu Ser Gln Met Lys Ser Lys Gly Thr Arg His Pro Gln Leu Ile  
1 5 10 15  
Pro Cys Val Phe Ala Val Val Ser Ile Ser Phe Leu Ser Ala Cys Phe  
20 25 30  
Ile Ser Thr Cys Leu Val Thr His His Tyr Phe Leu Arg Trp Thr Arg  
35 40 45  
Gly Ser Val Val Lys Leu Ser Asp Tyr His Thr Arg Val Thr Cys Ile  
50 55 60  
Arg Glu Glu Pro Gln Pro Gly Ala Thr Gly Gly Thr Trp Thr Cys Cys  
65 70 75 80  
Pro Val Ser Trp Arg Ala Phe Gln Ser Asn Cys Tyr Phe Pro Leu Asn  
85 90 95  
Asp Asn Gln Thr Trp His Glu Ser Glu Arg Asn Cys Ser Gly Met Ser  
100 105 110  
Ser His Leu Val Thr Ile Asn Thr Glu Ala Glu Gln Asn Phe Val Thr  
115 120 125  
Gln Leu Leu Asp Lys Arg Phe Ser Tyr Phe Leu Gly Leu Ala Asp Glu  
130 135 140  
Asn Val Glu Gly Gln Trp Gln Trp Val Asp Lys Thr Pro Phe Asn Pro  
145 150 155 160  
His Thr Val Phe Trp Glu Lys Gly Glu Ser Asn Asp Phe Met Glu Glu  
165 170 175  
Asp Cys Val Val Leu Val His Val His Glu Lys Trp Val Trp Asn Asp  
180 185 190  
Phe Pro Cys His Phe Glu Val Arg Arg Ile Cys Lys Leu Pro Gly Ile  
195 200 205  
Thr Phe Asn Trp Lys Pro Ser  
210 215

<210> 9

<211> 187

<212> PRT

<213> Homo sapiens

<400> 9

Leu Ile Phe Phe Leu Leu Leu Ala Ile Ser Phe Phe Ile Ala Phe Val  
1 5 10 15  
Ile Phe Phe Gln Lys Tyr Ser Gln Leu Leu Glu Lys Lys Thr Thr Lys

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20

25

30

Glu Leu Val<sub>35</sub> His Thr Thr Leu Glu<sub>40</sub> Cys Val Lys Lys Asn<sub>45</sub> Met Pro Val  
 Glu Glu<sub>50</sub> Thr Ala Trp Ser Cys<sub>55</sub> Cys Pro Lys Asn Trp<sub>60</sub> Lys Ser Phe Ser  
 Ser Asn Cys Tyr Phe Ile<sub>70</sub> Ser Thr Glu Ser Ala<sub>75</sub> Ser Trp Gln Asp Ser<sub>80</sub>  
 Glu Lys Asp Cys Ala<sub>85</sub> Arg Met Glu Ala His<sub>90</sub> Leu Leu Val Ile Asn<sub>95</sub> Thr  
 Gln Glu Glu Gln<sub>100</sub> Asp Phe Ile Phe Gln<sub>105</sub> Asn Leu Gln Glu Glu<sub>110</sub> Ser Ala  
 Tyr Phe Val<sub>115</sub> Gly Leu Ser Asp Pro<sub>120</sub> Glu Gly Gln Arg His<sub>125</sub> Trp Gln Trp  
 Val Asp<sub>130</sub> Gln Thr Pro Tyr Asn<sub>135</sub> Glu Ser Ser Thr Phe<sub>140</sub> Trp His Pro Arg  
 Glu<sub>145</sub> Pro Ser Asp Pro Asn<sub>150</sub> Glu Arg Cys Val Val<sub>155</sub> Leu Asn Phe Arg Lys<sub>160</sub>  
 Ser Pro Lys Arg Trp<sub>165</sub> Gly Trp Asn Asp Val<sub>170</sub> Asn Cys Leu Gly Pro<sub>175</sub> Gln  
 Arg Ser Val Cys<sub>180</sub> Glu Met Met Lys Ile<sub>185</sub> His Leu

<210> 10

<211> 187

<212> PRT

<213> Homo sapiens

<400> 10

Leu Ile Phe Phe<sub>5</sub> Leu Leu Ala Ile Ser<sub>10</sub> Phe Phe Ile Ala Phe Val<sub>15</sub>  
 Ile Phe Phe Gln<sub>20</sub> Lys Tyr Ser Gln<sub>25</sub> Leu Leu Glu Lys Lys Thr<sub>30</sub> Thr Lys  
 Glu Leu Val<sub>35</sub> His Thr Thr Leu Glu<sub>40</sub> Cys Val Lys Lys Asn<sub>45</sub> Met Pro Val  
 Glu Glu<sub>50</sub> Thr Ala Trp Ser Cys<sub>55</sub> Cys Pro Lys Asn Trp<sub>60</sub> Lys Ser Phe Ser  
 Ser Asn Cys Tyr Phe Ile<sub>70</sub> Ser Thr Glu Ser Ala<sub>75</sub> Ser Trp Gln Asp Ser<sub>80</sub>  
 Glu Lys Asp Cys Ala<sub>85</sub> Arg Met Glu Ala His<sub>90</sub> Leu Leu Val Ile Asn<sub>95</sub> Thr  
 Gln Glu Glu Gln Asp Phe Ile Phe Gln Asn Leu Gln Glu Glu Ser Ala



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100

105

110

Tyr Phe Val Gly Leu Ser Asp Pro Glu Gly Gln Arg His Trp Gln Trp  
 115 120 125  
 Val Asp Gln Thr Pro Tyr Asn Glu Ser Ser Thr Phe Trp His Pro Arg  
 130 135 140  
 Glu Pro Ser Asp Pro Asn Glu Arg Cys Val Val Leu Asn Phe Arg Lys  
 145 150 155 160  
 Ser Pro Lys Arg Trp Gly Trp Asn Asp Val Asn Cys Leu Gly Pro Gln  
 165 170 175  
 Arg Ser Val Cys Glu Met Met Lys Ile His Leu  
 180 185

<210> 11

<211> 208

<212> PRT

<213> Mus musculus

<400> 11

Pro Arg Glu Lys Pro Ile Arg Asp Leu Arg Lys Pro Gly Ser Pro Ser  
 1 5 10 15  
 Leu Leu Leu Thr Ser Leu Met Leu Leu Leu Leu Leu Ala Ile Thr  
 20 25 30  
 Phe Leu Val Ala Phe Ile Ile Tyr Phe Gln Lys Tyr Ser Gln Leu Leu  
 35 40 45  
 Glu Glu Lys Lys Ala Ala Lys Asn Ile Met His Asn Glu Leu Asn Cys  
 50 55 60  
 Thr Lys Ser Val Ser Pro Met Glu Asp Lys Val Trp Ser Cys Cys Pro  
 65 70 75 80  
 Lys Asp Trp Arg Leu Phe Gly Ser His Cys Tyr Leu Val Pro Thr Val  
 85 90 95  
 Ser Ser Ser Ala Ser Trp Asn Lys Ser Glu Glu Asn Cys Ser Arg Met  
 100 105 110  
 Gly Ala His Leu Val Val Ile Gln Ser Gln Glu Glu Gln Asp Phe Ile  
 115 120 125  
 Thr Gly Ile Leu Asp Thr His Ala Ala Tyr Phe Ile Gly Leu Trp Asp  
 130 135 140  
 Thr Gly His Arg Gln Trp Gln Trp Val Asp Gln Thr Pro Tyr Glu Glu  
 145 150 155 160  
 Ser Ile Thr Phe Trp His Asn Gly Glu Pro Ser Ser Gly Asn Glu Lys  
 165 170 175  
 Cys Ala Thr Ile Ile Tyr Arg Trp Lys Thr Gly Trp Gly Trp Asn Asp

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180

185

190

C Ile Ser Cys Ser Leu Lys Gln Lys Ser Val Cys Gln Met Lys Lys Ile  
195 200 205